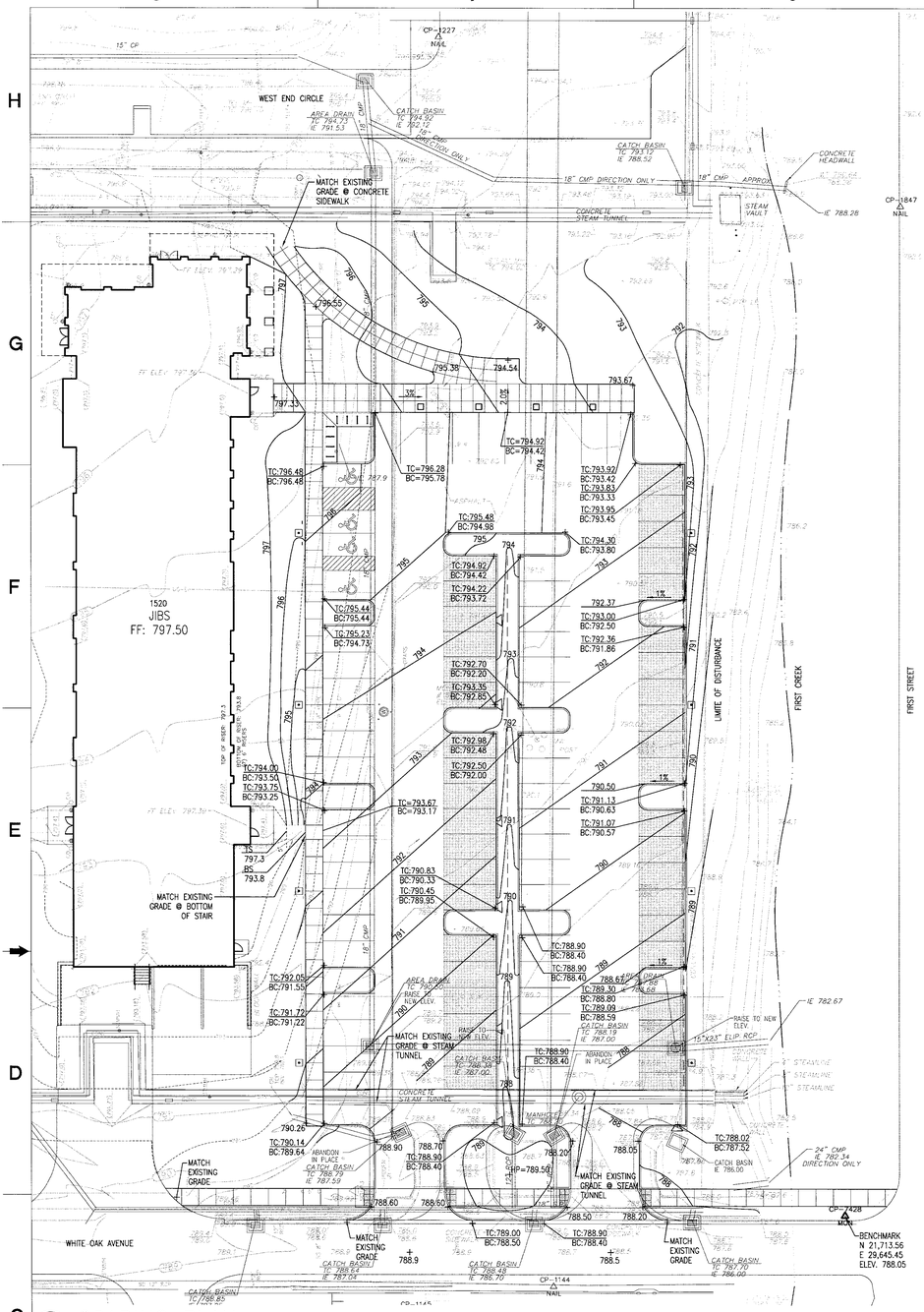
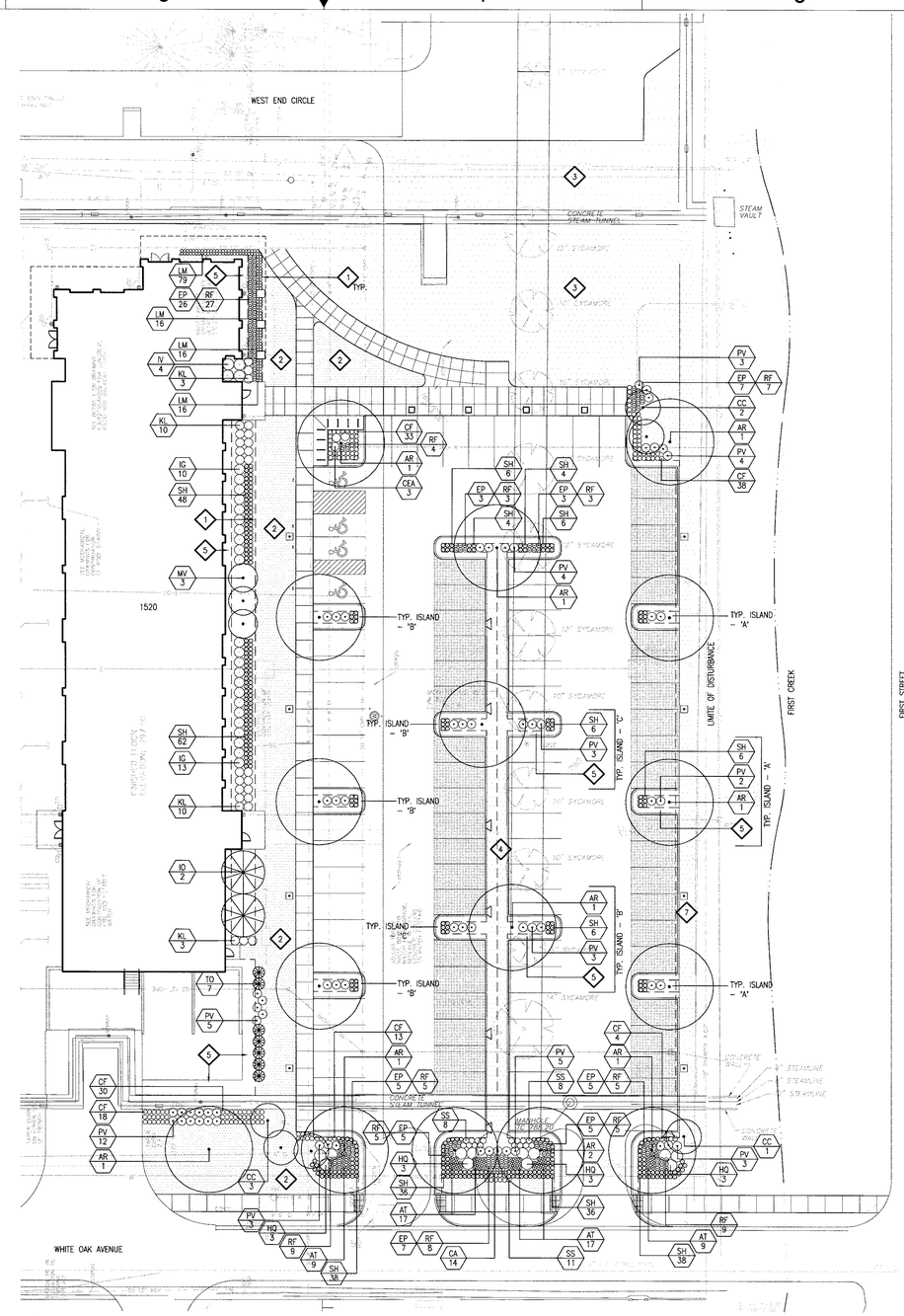


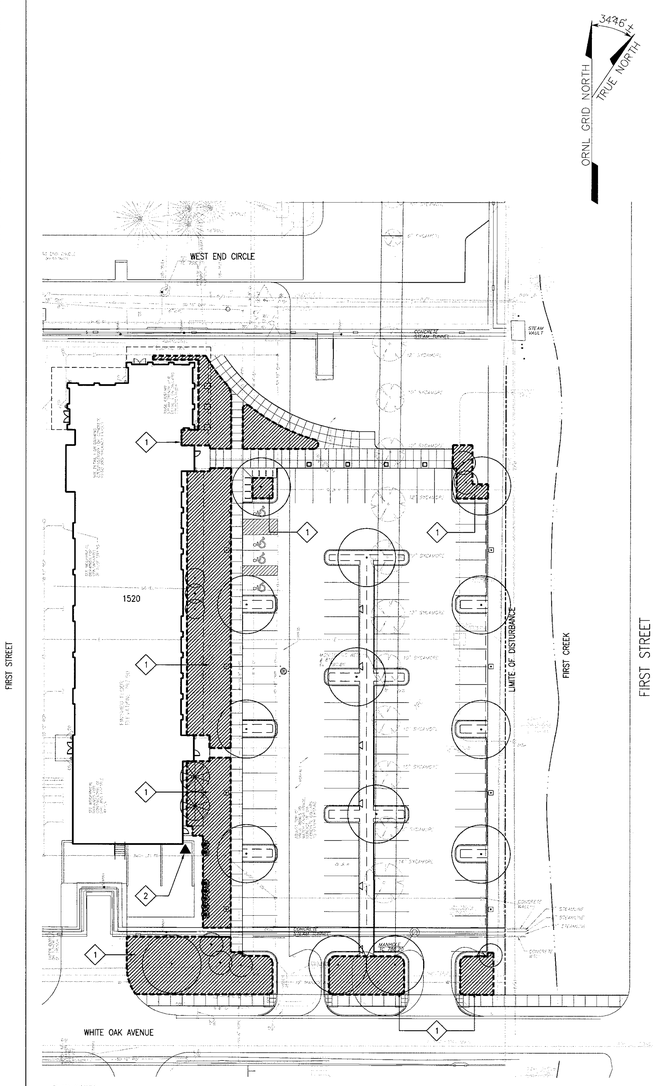
1 GRADING PLAN
A620
1"=20'-0"
0 20' 40' 60'



2 PLANTING PLAN
A620
1"=20'-0"
0 20' 40' 60'

PLAN NOTES:

1. METAL PLANTING EDGE
2. SOD
3. TEMPORARY SOD
4. VEGETATED SWALE – SEE SPECS FOR SEED MIX
5. GRAVEL MAINTENANCE STRIP – SEE 7/A620
6. EXISTING TREE TO REMAIN
7. SEED TO LIMITS OF GRADING @ DISTURBED AREAS OF RIPARIAN ZONE



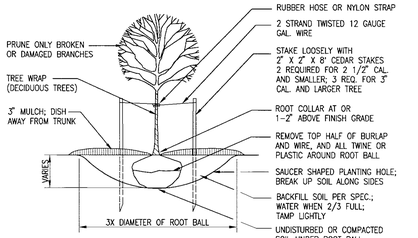
PLAN NOTES:

1. IRRIGATED AREA
2. IRRIGATION SYSTEM CONTROLLER – COORDINATE LOCATION WITH CFR

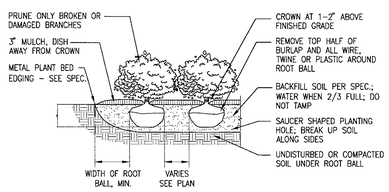
3 IRRIGATION PLAN
A620
1"=30'-0"
0 30' 60' 90'

KEY	COMMON NAME	BOTANICAL NAME	QUANTITY	SIZE/ROOT	REMARKS
	OVERSTORY/SHADE TREES				
AR	Autumn Blaze Red Maple	*Acer rubrum 'Autumn Blaze'*	16	3" cal. B&B	
MV	Sweat Bay Magnolia	*Magnolia Virginiana*	3	B&B	Multi-stem, 3 stems min., 1 1/2" min.cal.
	ORNAMENTAL TREES				
CC	Redbud	*Cercis Canadensis*	6	8' HT., B&B	
	EVERGREEN TREES				
IO	American Holly	*Ilex Opaca*	2	8' HT.	15' o.c.
TO	American Arborvitae 'Emerald Green'	*Thuja Occidentalis 'Emerald Green'*	7	5' HT.	4' o.c.
	DECIDUOUS SHRUBS				
HQ	Oakleaf Hydrangea	*Hydrangea Quercifolia*	12	4' HT.	4' o.c.
IV	Virginia Sweetspire	*Itea Virginica*	4	3.5' HT.	4' o.c.
CEA	New Jersey Tea	*Ceanothus Americanus*	3	3' HT.	3' o.c.
	EVERGREEN SHRUBS				
IG	Inkberry Holly	*Ilex Glabra*	23	3' HT.	3.5' o.c.
KL	Dwarf Mountain Laurel	*Kalmia Latifolia*	26	2.5' HT.	3' o.c.
	ORNAMENTAL GRASSES/ WILD FLOWERS				
AT	Butterfly Weed	*Asclepias Tuberosa*	52	1 gal. POT	18" o.c.
CA	Eared Coreopsis	*Coreopsis Auriculata*	14	1 gal. POT	12" o.c.
EP	Purple Coneflower	*Echinacea purpurea*	66	1 gal. POT	18" o.c./15" Row offset
RF	Black-eyed Susan	*Rudbeckia Fulgida*	90	1 gal. POT	18" o.c.
PV	Shenandoah Switch Grass	*Panicum virgatum 'Shenandoah'*	66	1 gal. POT	36" o.c.
SS	Little Bluestem	*Schizachyrium Scoparium*	27	1 gal. POT	24" o.c.
SH	Prairied Dropseed	*Sporobolus Heterolepis*	338	1 gal. POT	18" o.c.
	GROUNDCOVER/ PERENNIALS				
CF	Blue Wood Sedge	*Carex Flaccosperma*	136	1 gal. POT	18" o.c.
LM	Big Blue Liriope	*Liriope muscari 'Big Blue'*	127	1 gal. POT	12" o.c.

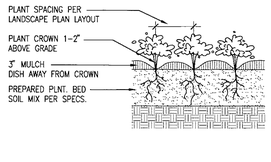
8 PLANT MATERIALS SCHEDULE
A620



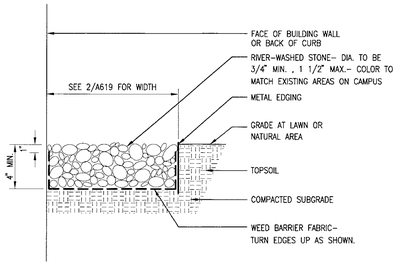
4 TREE PLANTING
A620
NTS



5 SHRUB PLANTING
A620
NTS



6 GROUNDCOVER PLANTING
A620
NTS



7 STONE MAINTENANCE STRIP
A620
NTS

Architecture - Engineering - Planning - Interiors
Flad & Associates
844 Science Drive
Madison, WI 53711
P.O. Box 44977
Madison, WI 53744-4977
608-238-2651
608-238-6727 FAX
www.flad.com

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF ANY INFORMATION, APPARATUS, METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

NUMBER OF SECTION OR DETAIL
DRAWING ON WHICH SECTION OR DETAIL IS TAKEN
DRAWING ON WHICH SECTION OR DETAIL IS SHOWN
SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM
ENGINEERING PROCEDURE

REV	CHANGE LOG	CHANGE CONTROL SYSTEM	CHANGE REQUEST NUMBER	DESCRIPTION	DSN	DATE	CHK	DATE	PE	DATE	PM	DATE	REQ	DATE	CFM	DATE	RPE	RPE NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR	FPE
				PHASE 1 CD – ISSUED FOR BID	RAP	10/12/07	RTH	10/12/07																						
				PHASE 1 CD – FINAL REVIEW	RAP	09/28/07	RTH	09/28/07																						

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — INTER-DISCIPLINE CHECK

REV.	DATE	REVISION 0 APPROVALS		DATE
		DSGN	RAP	10/12/07
		DRW	WH	10/12/07
		CHKR	RTH	10/12/07
		PE		
		PM		
		REQ		
		CFM		

RPE
JEFFREY C. BUTZ
LICENSED ARCHITECT
STATE OF TENNESSEE
NO. 101-0001-07

UT-BATTELLE
Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725
UT-BATTELLE, LLC, • Oak Ridge, Tennessee

WEST CAMPUS IMPROVEMENTS (QUAD) PROJECT
PHASE 1
GRADING & PLANTING PLAN

SITE	BLDG	SH.	OF	
ORNL	X AREA	5	10	UNCLASSIFIED

DRAWING SCALE: AS SHOWN
DRAWING NUMBER: C3E020019A620
REV: 0

C3E020019A620